International	application	No.

## PCT/JP02/07376

## INTERNATIONAL SEARCH REPORT

	IFICATION OF SUBJECT MATTER		
Int.	Cl <sup>7</sup> G01N22/02		
According to	o International Patent Classification (IPC) or to both nati	ional classification and IPC	
B. FIELDS	SSEARCHED		
Minimum do	ocumentation searched (classification system followed b	y classification symbols)	0
Int.	Cl <sup>7</sup> G01N22/00-22/04, G01S13/00-	-13/95, G01N21/84-21/95	
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L			
	ion searched other than minimum documentation to the	Toroku Jitsuvo Shinan Koho	1994-2002
Jitsu Voleni	lyo Shinan Koho 1922-1996 Jitsuyo Shinan Koho 1971-2002	Jitsuyo Shinan Toroku Koho	1994-2002 1996-2002
1			
Electronic da	ata base consulted during the international search (name [MAISETSUKAN, KUDO, DENJIHA]	c or used base and, where practicable, sear	on terms used)
DIAT	OG [buried pipe, cavities, elec	ctromagnetic wave]	
]			
C. DOCU	MENTS CONSIDERED TO BE RELEVANT		
r		propriate of the relevant passages	Relevant to claim No.
Category*	Citation of document, with indication, where app		
X Y	JP 8-178907 A (Sekisui Chemic 12 July, 1996 (12.07.96),	car co., Ltd.),	1,2 3,6,8-12,
I	12 July, 1996 (12.07.96), Full text; Figs. 1 to 5		14-16
Α	(Family: none)		7,13
	•	KAT, Kahushibi Vaiaba	3
Y A	JP 3-235084 A (Katsutoshi SA) Iseki Kaihatsu Koki),	TAIT, MADUSHIER VALENG	1,2,6-16
	21 October, 1991 (21.10.91),		
	Full text; Figs. 1 to 4		
	(Family: none)		
Y	JP 10-2969 A (Fuji Chichu Jo	ho Kabushiki Kaisha).	3,6,8,14
-	06 January, 1998 (06.01.98),		
	Full text; Figs. 1 to 14		
	(Family: none)	-	
			*
]			
Furth	ler documents are listed in the continuation of Box C.	See patent family annex.	
* Specia	l categories of cited documents:	"T" later document published after the into	emational filing date or
"A" docum	nent defining the general state of the art which is not	priority date and not in conflict with t understand the principle or theory und	the application but cited to
"E" carlier	ered to be of particular relevance document but published on or after the international filing	"X" document of particular relevance; the	claimed invention cannot be
date	nent which may throw doubts on priority claim(s) or which is	considered novel or cannot be considered step when the document is taken alon	ic .
cited to	o establish the publication date of another citation or other	"Y" document of particular relevance; the considered to involve an inventive ste	claimed invention cannot be by when the document is
"O" docum	I reason (as specified) ent referring to an oral disclosure, use, exhibition or other	combined with one or more other succembination being obvious to a perso	h documents, such
	nent published prior to the international filing date but later	"&" document member of the same patent	
than th	he priority date claimed actual completion of the international search	Date of mailing of the international sear	rch report
	october, 2002 (08.10.02)	29 October, 2002 (2	
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	anese Patent Office	[	
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
Y	JP 64-54216 A (NKK Corp.), 01 March, 1989 (01.03.89), Full text; Figs. 1 to 2 (Family: none)	9,15		
Y	JP 4-136703 A (NKK Corp.), 11 May, 1992 (11.05.92), Full text; Figs. 1 to 2 (Family: none)	9,15		
Y A	JP 2-59649 A (Kabushiki Kaisha Kido Gijutsu Kenkyusho, Kidoh Construction Co., Ltd.), 28 February, 1990 (28.02.90), Full text; Figs. 1 to 5 (Family: none)	10-12,14-16		
Y	JP 9-61421 A (Japan Sewage Works Agency, Kumagai Gumi Co., Ltd.), 07 March, 1997 (07.03.97), Full text; Figs. 1 to 2 (Family: none)	. 11		
Y	JP 9-254782 A (Sapporo-shi, Sendai-shi, Chiba-shi), 30 September, 1997 (30.09.97), Full text; Figs. 1 to 8 (Family: none)	12		
A	JP 7-311022 A (Nippon Telegraph And Telephone Corp.), 28 November, 1995 (28.11.95), Full text; Figs. 1 to 7 (Family: none)	7,13		
Ā	JP 7-35152 A (Nippon Telegraph And Telephone Corp.), 03 February, 1995 (03.02.95), Full text; Figs. 1 to 4 (Family: none)	7,13		

International application No.

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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)	
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:	
1. Claims Nos.:  because they relate to subject matter not required to be searched by this Authority, namely:	
2. Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:	
3. Claims Nos.:  because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).	
Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)	
This International Searching Authority found multiple inventions in this international application, as follows:  Claims 1-3 and 6-16 describe that an underground all around an underground pipe is inspected by rotating an antenna.  Claims 4 and 5 describe that the antenna is liftably held without installing an antenna rotating mechanism, and only an underground on the upper side of the underground pipe is inspected.  Claims 17-24 relate to a mechanism which does not rotate nor liftably hole the antenna, but moves a searching part itself.  Accordingly, this International Application does not relate to a group of inventions so linked as to form one invention or a single general inventive concept and, therefore, does not fulfill the requirements of unity of inventions.  1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchabe claims.  2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.  3. As only some of the required additional search fees were timely paid by the applicant, this international search report cover only those claims for which fees were paid, specifically claims Nos.:	gff defet
4. X No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-3 and 6-16.	
Remark on Protest	